

Agenda

CERES Science Team Meeting

**Marriott Hotel
City Center at Oyster Point, Newport News VA
May 1-3, 2012**

Major Objectives for the Meeting:

- 1. *Review status of CERES Instruments and Data Products:***
 - Status of CERES/NASA/EOS/CERES on NPP and Beyond
 - Terra and Aqua SW/LW/TOTAL channel calibration update
 - CERES FM5, FM6 Update
 - Edition 4 cloud algorithm development and validation status
 - CERES Edition4 ADM development status
 - Development of a Surface EBAF data product
 - Update on Edition3 merged Terra+Aqua+Geo SYN1deg Gridded TOA and surface fluxes
 - Data Management Team Update: Terra/Aqua/NPP
 - Atmospheric Sciences Data Center (ASDC) Update
 - CERES Education Outreach
- 2. *CERES specific Science Reports. Each report is 20min including time for questions.***

Meeting Minutes: PDF

We plan to publish the minutes of the meeting electronically, so please send an electronic copy of your presentation to Jim Closs (james.w.closs@nasa.gov) either before or following the meeting. Desired format is a pdf document.

**Dutch Treat Dinner: 6:30pm Tuesday Evening
(Red Star Tavern. Across from Marriott on other side of fountain)**

Tuesday, May 1

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8:30 am	Meeting Logistics, Welcome	<i>N. Loeb</i>
8:40 am	State of CERES/NASA/EOS/CERES on NPP and Beyond	<i>N. Loeb</i>
9:20 am	FM1-FM5 Instrument Status	<i>S. Thomas</i>
9:50 am	FM6 Instrument Status	<i>K. Priestley</i>

10:20 am Break

10:50 am	Update on CERES Edition 4 Cloud Algorithm	<i>P. Minnis</i>
11:20 am	Current Status of NPP VIIRS for CERES	<i>S. Sun-Mack</i>
11:40 am	Update on the Next Generation CERES ADMs	<i>W. Su</i>
12:00 pm	A Comparison of Beta Edition 4 and Edition 3 Results	<i>D. Kratz</i>

12:20 pm Lunch

2:00 pm	Surface and Atmosphere Radiation Budget (SARB) Working Group Update	<i>S. Kato</i>
2:30 pm	Time-Space Averaging Update	<i>D. Doelling</i>
3:15 pm	Hourly GEO clouds for TISA	<i>R. Palikonda</i>

3:30 pm Break

4:00 pm	CERES FLASHFLUX Update	<i>P. Stackhouse</i>
4:20 pm	CERES Data Management Team (DMT) Update	<i>J. Gleason</i>
4:40 pm	Atmospheric Sciences Data Center (ASDC) Update	<i>J. Kusterer</i>
5:00 pm	CERES Education and Outreach Update	<i>D. Oostra</i>

5:20 pm Adjourn

6:30 pm Dutch Treat Dinner: Red Star Tavern

Wednesday, May 2

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8:30 am **Working Group Sessions** *All*
Angular Modeling (Su et al.)
Surface to TOA Fluxes (Kato et al.)
Cloud Properties (Minnis et al.)

9:30 am **Break**

INVITED PRESENTATIONS

10:00 am Toward a Balanced Net Heat Flux at the Ocean Surface *L. Yu*
10:45 am Boundary Layer Cloud Transitions and Cloud-Climate Feedback *J. Teixeira*

Science Reports

11:30 am Comparison of TOA and Surface Radiation between Multiscale *K. Xu*
Modeling Framework Simulation and CERES EBAF
11:50 Assessing Cloud Radiative Effect in CMIP5 Models Using *H. Wang*
CERES EBAF data

12:10 pm **Lunch**

Science Reports: Continued

2:00 pm Comparisons of CERES and ERA Interim TOA Radiative Fluxes *T. Wong*
2:20 pm A Comparison of the Cloud Feedbacks Derived from CERES *A. Dessler*
and from MODIS
2:40 pm Cloud Radiative Response to Intensification of Hadley Circulation *N. Loeb*
3:00 pm The Change of Radiative Cooling and its Role in the Weakening of *X. Huang*
Tropical Circulation
3:20 pm Investigation of regional CF differences and their impact on TOA *X. Dong*
radiation budgets through an integrative analysis of CERES,
MODIS, CloudSat/CALIPSO and NASA GISS AR5 results

3:40 pm **Break**

Science Reports: Continued

4:10 pm Evaluation of "Direct" Estimation of Surface Solar Net Flux with *I. Laszlo*
CERES data
4:30 pm Climate Monitoring with Earth Radiation Budget Measurements *S. Dewitte*
4:50 pm **Adjourn**

Thursday, May 3

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Science Reports: Continued.

8:30 am	An Update on CERES Longwave Angular Distribution Models	<i>Z. Eitzen</i>
8:50 am	CERES derived narrowband fluxes for correcting 3D radiative effects in MODIS aerosol retrievals near clouds	<i>G. Wen</i>
9:10 am	Comparisons of Monthly Mean OLR Between HIRS, CERES EBAF/SSF/SYN Ed2.6(r), ISCCP-FD, ERA-Interim, CFSR and Merra Reanalyses	<i>H.-T. Lee</i>
9:30 am	Global All-Sky Direct Radiative Forcing of Anthropogenic Aerosols From Combined Satellite Observations and GOCART Simulations	<i>W. Su</i>
9:50 am	Break	
10:20 am	Special Operations of CERES for Comparison with ScaRaB 3 Radiances	<i>L. Smith</i>
10:40 am	The Influence of Diurnal Cycle on Monthly OLR Variability in the Tropics	<i>P. Taylor</i>
11:00 am	Relationship of Regional Radiation Anomalies with Environmental Conditions	<i>B. Lin</i>
11:20 am	Initial Result of CERES-Like ERBE Data Processing	<i>A. Shrestha</i>
11:40 am	Action Items, Final Discussion	<i>N. Loeb</i>
11:50 am	Adjourn	